

Recombinant Human MINPP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MINPP1-641H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MINPP1 MS Standard C13 and N15-labeled recombinant protein (NP_004888) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes multiple inositol polyphosphate phosphatase; an enzyme that removes 3-phosphate from inositol phosphate substrates. It is the only enzyme known to hydrolyze inositol pentakisphosphate and inositol hexakisphosphate. This enzyme also converts 2,3 bisphosphoglycerate (2,3-BPG) to 2-phosphoglycerate; an activity formerly thought to be exclusive to 2,3-BPG synthase/2-phosphatase (BPGM) in the Rapoport-Luebering shunt of the glycolytic pathway.
Molecular Mass	54.9 kDa
AA Sequence	MLRAPGCLLRTSVAPAAALAAALLSSLARCSLLEPRDPVASSLSFYFGTKTRYEDVN PVLLSGPEAPWRDPELLEGTCTPVQLVALIRHGTRYPTVKQIRKLRQLHGLLQARGS RDGGASSTGSRDLGAALADWPLWYADWMDGQLVEKGRQDMRQLALRLASLFPAL FSRENYGRLRLITSSKHRCMDSSAAFLQGLWQHYHPGLPPPVDADMEFGPPTVND KLMRFFDHCEKFLTEVEKNATALYHVEAFKTGPEMQNILKKVAATLQVPVNDLNADLI QVAFTCSFDLAIKGVKSPWCDVFDIDDAKVLEYLNDLKQYWKRGYGYTINSRSSCT LFQDIFQHLDKAVEQKQRSQPISSPVILQFGHAETLLPLLSLMGYFKDKEPLTAYNYK

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KQMHRKFRSGLIVPYASNLIFVLYHCENAKTPKEQFRVQMLLNEKVLPLAYSQETVS
FYEDLKNHYKDILQSCQTSEECELARANSTSELTTRTRPLEQKLISEEDLAANDILDY
KDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MINPP1 multiple inositol-polyphosphate phosphatase 1 [Homo sapiens (human)]

Official Symbol MINPP1

Synonyms MINPP1; multiple inositol-polyphosphate phosphatase 1; multiple inositol polyphosphate histidine phosphatase, 1; multiple inositol polyphosphate phosphatase 1; MIPP; ins(1,3,4,5)P(4) 3-phosphatase; multiple inositol polyphosphate phosphatase 2; inositol (1,3,4,5)-tetrakisphosphate 3-phosphatase; HIPER1; MINPP2; DKFZp564L2016;

Gene ID 9562

mRNA Refseq NM_004897

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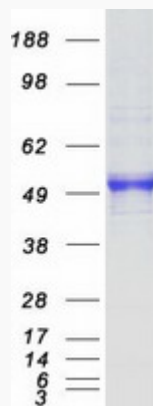
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Protein Refseq NP_004888

MIM 605391

UniProt ID Q9UNW1

SDS-PAGE



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